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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/865,316	05/25/2001	Laurent Chapuis	TENS 1000-8US	4659
22470	7590 11/19/2003		EXAMINER	
HAYNES BEFFEL & WOLFELD LLP			YAO, SAMCHUAN CUA	
P O BOX 366 HALF MOON BAY, CA 94019		•	ART UNIT	. PAPER NUMBER
			1733	
			DATE MAILED: 11/19/2003	

Please find below and/or attached an Office communication concerning this application or proceeding.

BEST AVAILABLE COPY

		Application No.	Applicant(s)			
· Office Action Summary		09/865,316	CHAPUIS ET AL.			
		Examiner	Art Unit			
		Sam Chuan C. Yao	1733			
Period fo	- The MAILING DATE of this communication app r Reply	pears on the cov r sheet with the c	orrespondence address			
THE N - Exten after S - If the - If NO - Failur - Any re	DRTENED STATUTORY PERIOD FOR REPLING DATE OF THIS COMMUNICATION. Is sions of time may be available under the provisions of 37 CFR 1.1 SIX (6) MONTHS from the mailing date of this communication. Period for reply specified above is less than thirty (30) days, a repline period for reply is specified above, the maximum statutory period to e to reply within the set or extended period for reply will, by statute sply received by the Office later than three months after the mailing dipatent term adjustment. See 37 CFR 1.704(b).	36(a). In no event, however, may a reply be timely within the statutory minimum of thirty (30) day will apply and will expire SIX (6) MONTHS from a cause the application to become ABANDONE	nely filed s will be considered timely. the mailing date of this communication. D (35 U.S.C.§ 133).			
1)⊠	Responsive to communication(s) filed on 22 S	eptember 2003.				
2a) <u></u> □	This action is FINAL . 2b)⊠ This action is non-final.					
	Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under <i>Ex parte Quayle</i> , 1935 C.D. 11, 453 O.G. 213.					
Disposition	on of Claims					
4) 🖂	☑ Claim(s) <u>41-89</u> is/are pending in the application.					
4	4a) Of the above claim(s) 44,45,47,61,63,74 and 89 is/are withdrawn from consideration.					
5)	Claim(s) is/are allowed.					
6)⊠	☑ Claim(s) <u>41-43,46,48-60,62,64-73 and 75-88</u> is/are rejected.					
7) 🗌	Claim(s) is/are objected to.					
8) 🗌	Claim(s) are subject to restriction and/o	or election requirement.				
Application	on Papers					
9) 🗌 7	The specification is objected to by the Examine	er.				
10) 🔲 🛭	10) ☐ The drawing(s) filed on is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.					
	Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).					
	Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).					
11) The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.						
Priority u	nder 35 U.S.C. §§ 119 and 120					
a)[Acknowledgment is made of a claim for foreign All b) Some * c) None of: 1. Certified copies of the priority document	s have been received.				
:	 Certified copies of the priority document Copies of the certified copies of the priority application from the International Bureate the attached detailed Office action for a list 	rity documents have been receive u (PCT Rule 17.2(a)).	ed in this National Stage			
13)∐ A∈ sir 37	cknowledgment is made of a claim for domestince a specific reference was included in the first CFR 1.78.	ic priority under 35 U.S.C. § 119(est sentence of the specification or	e) (to a provisional application) in an Application Data Sheet.			
14) 🗌 A	☐ The translation of the foreign language procknowledgment is made of a claim for domestiference was included in the first sentence of the	ic priority under 35 U.S.C. §§ 120	and/or 121 since a specific			
Attachment((s)					
2) Notice	of References Cited (PTO-892) of Draftsperson's Patent Drawing Review (PTO-948) ation Disclosure Statement(s) (PTO-1449) Paper No(s) <u>7</u>	5) Notice of Informal P	(PTO-413) Paper No(s) atent Application (PTO-152)			

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DETAILED ACTION

Election/Restrictions

1. Applicant's election of Group I Species A,M,T and V (claims 41-43, 46, 48-60, 62, 64-73,75 and 88) in Paper No. 8 is acknowledged. Because applicant did not distinctly and specifically point out the supposed errors in the restriction requirement, the election has been treated as an election without traverse (MPEP § 818.03(a)).

Claim Rejections - 35 USC § 112

- The following is a quotation of the second paragraph of 35 U.S.C. 112:
 The specification shall conclude with one or more claims particularly pointing out and distinctly claiming the subject matter which the applicant regards as his invention.
- 3. Claims 41-43, 46, 49-60, 62, 64-73, 75 and 88 are rejected under 35 U.S.C. 112, second paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject matter which applicant regards as the invention.

Claim 41 is indefinite, because it is unclear what is intended by "arranging the segments ... generally along expected load lines" (emphasis added). Does this limitation require: a) at least some segments being disposed along expected load lines, but the remaining segments only have to be parallel or in close proximity to the expected load lines; b) no segment need to be disposed along expected load lines but have to be disposed parallel and in close proximity to the expected load lines; c) segment does not have be disposed parallel and/or disposed along expected load lines, but all segments has to be disposed in close proximity to expected load lines; etc. For the purpose of examining this limitation, in light of figure 2, it is assumed that, the above limitation only requires at least segments

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need to be substantially parallel and substantially in close proximity to the expected load lines.

Claim 43 is indefinite, because the phrase "the mat elements" does not have a positive antecedent basis.

Claim 48 is indefinite, because claim 48 is dependent on a non-elected species claim 47. How can this claim correspond to an elected species when it is dependent on a non-elected species?

Claim Objections

4. Claims 75-78, 80, 84 and 85 are objected to because of the following informalities: correct a misspelled word "pressusre". Appropriate correction is required.

Claim Rejections - 35 USC § 103

- 5. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:
 - (a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.
- 6. Claims 41-43, 46,48-49, 54-59, 64-73, and 76-88 are rejected under 35 U.S.C. 103(a) as being unpatentable over Meldner et al (US 5,470,632) in view of Linville (US 5,097,783). 60, 62, and 75

With respect to claims 41, 65 and 82-84, Meldner et al discloses a process of making a sailcloth, the process comprises providing a plurality of interconnected panels, each panel having a pair of opposing outer layers, wherein the interconnected panels having a circumferential edge; providing a plurality of

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unidirectional reinforcing filaments; arranging the filaments such that they are substantially aligned with principal stress direction; securing the filaments to the outer layers of the respective panels so that, as illustrated in figure 1, the length of filaments in each panel forming the sailcloth only extend part way along the expected load lines of the sailcloth. It is unclear whether the reinforcing filaments taught by Meldner are stretch-resistant. In any event, such would have been obvious in the art as such is a notoriously common practice in the art as exemplified in the teachings of Linville.

With respect to claims 42-43, 46, 48-49, 54-58, see figure 2 of the Meldner et al patent. It would have been obvious in the art to use replace filaments with twisted or untwisted yarns as such is conventional in the art. Moreover, mat elements are taken to read on a unidirectional tape comprising unidirectional filaments.

With respect to claims 59 and 64, in order to properly and effectively align the reinforcing filaments substantially along a line of stress/load, it would have been an obvious expediency provide placement marks (i.e. stress lines) on one of the surface of the outer layers.

With respect to claims 66-72, see figure 5 of the Meldner et al patent. As for claims 71-73, 79, and 81, the recited process steps are conventional way of laminating layers together.

With respect to claims 86-87, see figure 9 of the Linville patent.

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Allowable Subject Matter

7. The following is a statement of reasons for the indication of allowable subject matter:

8. Claims 50-53, 60, 62, and 75 would be allowable if rewritten to overcome the rejection(s) under 35 U.S.C. 112, second paragraph, set forth in this Office action and to include all of the limitations of the base claim and any intervening claims.

Conclusion

9. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Sam Chuan C. Yao whose telephone number is (703) 308-4788. The examiner can normally be reached on Monday-Friday with second Friday off.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Jeff H Aftergut can be reached on (703) 308-2069. The fax phone number for the organization where this application or proceeding is assigned is (703) 872-9306.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist whose telephone number is (703) 308-2058.

Sam Chuan C. Yao Primary Examiner Art Unit 1733